

Supporting Organizations:



Half-day Technical Workshop

Title : **Road to Sustainable Environment: Indoor Air Quality Management**
(“3 hours CPD” event endorsed by HKGBC for BEAM Pro.)

Date/Time : 30 May 2012 (Wednesday) / 2:10pm-5:35pm

Venue : G/F., Jockey Club Environmental Building,
77 Tat Chee Avenue, Kowloon

General CPD with
3-hour Credit for



Background:

We spend more than 70% of our times at homes, in offices and other indoor environment. Poor indoor air quality can lead to discomfort, ill health (e.g. headache, itchy eyes, respiratory difficulties, skin irritation, nausea and fatigue), and in workplace, absenteeism and lower productivity.

Good indoor air quality safeguards the health of the building occupants and contributes to their comfort and well being. In order to prevent and deal with IAQ problems, it is therefore necessary to have comprehensive IAQ management strategy specific to the building.

Course Objective:

The mission of ASHRAE is to advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world. ASHRAE Hong Kong Chapter is offering a great opportunity to organize this technical workshop in order to raise awareness and to promote sustainability on indoor air quality management among our members or others interested parties.

This workshop is recommended for engineers and professionals who are interested in sustainable indoor air quality management.

After taking the workshop, the participants will be able to:

- Gain knowledge on IAQ management strategies on new and existing buildings
- Understand the practical IAQ assessment from BEAM Plus
- Learn the optimum ventilation controls and management to maintain good IAQ
- Obtain updated air purification technologies to achieve acceptable IAQ

Key Speakers:



THOMAS M. LAWRENCE,

Ph.D, P.E., LEED®AP

Faculty of Engineering The University of Georgia Athens, GA

Dr. Lawrence is a Senior Public Service Associate with the University of Georgia, and has 30 years of professional experience in engineering and environmentally related fields. Before going back for his Ph.D. in Mechanical Engineering at Purdue, he spent approximately 20 of those years in industry and consulting. He is the chair of ASHRAE Technical Committee 2.8, “Building Environmental Impact and Sustainability”, and is a member of the committee which wrote the ASHRAE standard on high-performance green buildings (Standard 189.1). As an ASHRAE Distinguished Lecturer, he gives presentations and workshops on green building design at venues around the world. At the University of Georgia, Dr. Lawrence teaches courses in Building HVAC, Green Building Design, Residential Building Design, and Heat Transfer.

Dr. Lawrence has a B.S. with Highest Distinction honors in Environmental Science from Purdue University (1978), a M.S. in Mechanical Engineering from Oregon State University (1982) and a second M.S. degree in Engineering Management from Washington University earned in 1989. He received a Ph.D. in Mechanical Engineering from Purdue University in the spring of 2004 researching the impacts of demand-controlled ventilation on energy consumption and indoor air quality in smaller commercial buildings.



CF Leung,

BEAM Professional

Head – Building & Energy Efficiency and Indoor Air Quality, Business Environment Council

Currently leading the Building & Energy Efficiency and IAQ teams of Business Environment Council, his duties include green building assessment, carbon audit, energy efficiency program, indoor

environmental quality consultancy etc. A practicing environmental engineer, he has been involving in more than 100 building-related projects, ranging from large private and public housing estates, commercial offices, shopping centres, hospitals to university buildings. Ir Leung helped the development of BEAM Plus Standard and currently delivers BEAM Pro Training. He is also a Chartered Engineer, Chartered Environmentalist, Chartered Water & Environmental Manager and Certified Carbon Auditor Professional.



Gordon P. Sharp

ASHRAE Member

Gordon Sharp is the chairman of Aircuity, Inc. and has over 25 years of wide-ranging entrepreneurial experience and more than 25 U.S. patents in the fields of energy efficiency and laboratory controls. As founder, former president and CEO of Phoenix Controls, he led the development of this world leader in laboratory airflow controls that was acquired by Honeywell in 1998. In 2000, Gordon founded Aircuity, which was spun out of Honeywell and is a smart airside energy efficiency company. Gordon is a graduate of MIT with bachelors and masters degrees in electrical engineering. He is the Executive Vice President and a member of the board of directors of I2SL, the nonprofit foundation that operates the Labs21 conference and a member of the ANSI AIHA Z9.5 Laboratory Ventilation Standard Committee. Lastly, he is also a member of ASHRAE SSPC 170 Standard, Ventilation of Health Care Facilities, which is responsible for healthcare ventilation rates.

Language: English

Application:

Open to all interested persons, but priority will be given to ASHRAE members. Please complete and return the application form by e-mail and send the cross-cheque via post before 20 May 2012. Number of participants is limited. Places will be allocated on a first-come-first-served basis. Successful applicants will be informed individually by e-mail.

***This is also a “3 hours CPD” event endorsed by HKGBC for BEAM Pro.**

ASHRAE’s Research Vision

ASHRAE conducts timely research to remain the foremost, authoritative and responsive international source of technical and educational information, standards and guides on the interaction between people and the indoor and outdoor environment through the operation of HVAC&R systems in buildings and other applications.

Application Form:

ASHRAE Half-day Technical Workshop:

Road to Sustainable Environment: Indoor Air Quality Management

Name (Dr./Ir/Mr./Mrs./Ms.)* : _____

ASHRAE Membership* : Class: _____ No.: _____

Other Membership : Organization: _____ Membership No.: _____

Company * : _____

Email Address* : _____

Contact Numbers : (Mobile)*: _____ (Office): _____

* Information must be filled.

[Course fee includes refreshments and lecture notes.]

Course Fee (Member of ASHRAE) – HK\$ 450 x ___ person (cheque no.: _____)

Course Fee (Supporting Organization) – HK\$ 600 x ___ person (cheque no.: _____)

Course Fee (Non-member) – HK\$ 800 x ___ person (cheque no.: _____)

Remark: All net proceeds will be contributed to **ASHRAE Research.**

Enquires: For inquiries, please contact us at email: dsltung@sustaine.com.hk

Registration: The application form and cross-cheque with appropriate payment in Hong Kong dollars payable to “ASHRAE Hong Kong Chapter” shall be sent to **P.O. Box 35612, King’s Road Post Office, North Point, Hong Kong, before 25 May 2012.** The applicant may email the above information to dsltung@sustaine.com.hk for place reservation and then followed by cheque payment via mail.